

309-930449  
1416476

## SPECIFICATIONS 102" EXTREME DUTY REAR PTO DRIVEN FLAIL MOWER

SPECIFICATIONS REQUIRED	COMPLY	EXCEPTIONS, DEVIATIONS AND ANSWERS
<b>General</b>	Yes/No	List Exceptions, Deviations, and Answers
It is the purpose of the following specifications to describe a PTO powered flail type mower, which shall mow centered or offset behind tractor.		
The unit shall be of the manufacturer's current production model, meeting or exceeding the terms of these specifications.		
The manufacturer shall furnish parts and operation manuals for the unit(s) bid. The manufacturer shall also guarantee equipment against defects in workmanship and materials for a period of one (1) year.		
For any offer to be considered, all items must be of a standard production model, not modified for bid purposes.		
<b>SAFETY AND TESTING</b>		
Shall be tested to meet or exceed all applicable ANSI, SAE, and ASAE test standards		
<b>102" REAR PTO FLAIL MOWER</b>		
Cutting width shall be at least 102" of actual cut.		
Cutting assembly shall be flail type, mechanically powered		
Cutting shaft shall be dynamically balanced, 6" diameter, 3/8" wall tubing with 2 3/16" diameter stub shafts and bearings		
Cutter head shall have 112 forged, self cleaning, reversible all purpose knives or 56 smooth cut grass knives		
Knife interchangeability shall not require change of cutter shaft		
Cutting height shall be infinitely adjustable from -1/2" to +6". (It shall not be necessary to remove the roller mounting brackets to adjust cutting height)		
Cutter shaft will have bearing wrap protection		
Ground roller shall be 6 5/8" diameter with 1 3/8" double row spherical bearings and replaceable 1 3/8" stub shafts with internal seal on greasable bearing and o-ring on 6 bolt heavy duty cap		
Cutting head weight shall be a minimum of 1,700 pounds		
Cutting bonnet thickness shall be 7 gauge, 80,000 lb yield steel with 1/2" drive side and 3/8" carrier side steel end plates		
Cutting head shall have replaceable skid shoes		
Cutter shaft shall have operating speed of 2,400 RPM at rated tractor RPM		
Knife swing circumference shall be a minimum of 58 1/2"		
Gearbox shall be reversible		
Drive belt system shall have automatic belt tightener. (Specifically excluding back bend belt tightener)		
Cutting head shall be rated for 540 RPM PTO		
PTO shaft shall have a minimum rating of 65 horsepower		
Cutter head shall have PTO shaft storage yoke		
Unit shall have three point hitch Category II mountings		
Safety discharge flap shall be provided		
Reverse rotation models shall be equipped with front deflector		

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